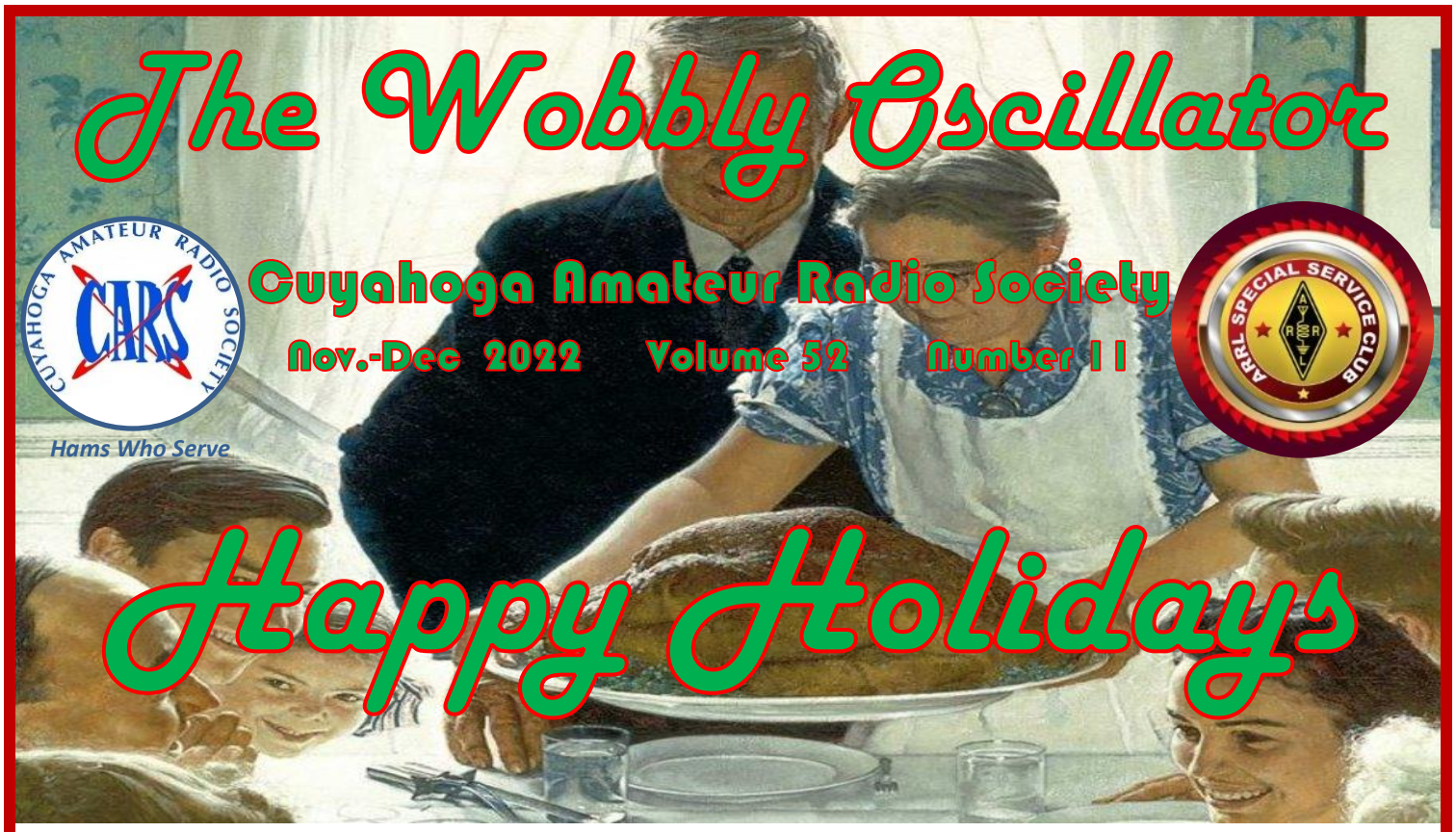


From The Prez

That Was the Year that Was

Normal has become a word many people are tired of hearing and they wonder what the meaning has turned into. We started the year wearing masks everywhere, attending Zoom meetings, and living on the mushroom food the media was spewing.

COVID is no laughing matter. I suffered severely with it from New Years until March. I was a half-step from a hospital bed. I had relatives and friends die from the wretched virus. People are still catching it. The sad part is there seems to be no consensus about vaccines, treatment, or contagiousness. Some even think the medical community is inconsistent.

Thank heaven for the weekly Wednesday evening club nets. On the nets, we could do things normally, no masks, no worry about physical contact. We could sit in the comfort of our shacks, operate our radios, communicate with our friends, and possibly meet new people. The beauty of the CARS repeater system enabled hams living out of state or traveling to join in via EchoLink or AllStar.

Come springtime, many shook the masks trying to climb the canyon walls searching for life as they once knew it. We finally held an in-person meeting in April. We took the bus to Dayton in May to attend the first live Hamvention in two years. In June we were in the MetroPark for our first picnic meeting of the year. Field Day was again an in the flesh event. The summer continued with public service events and more picnic meetings; we even added an extra picnic meeting in September.

As a club, we are again doing most of the things we normally do.

Congratulations Chuck

Hats off to Chuck Mehozonek, K8CVM, becoming the new Cuyahoga County ARES Emergency Coordinator. We are proud to have a CARS member fill the role of such a prestigious position, and we are proud of Chuck for all the public service work he does.

Please see a much more detailed article about Chuck and his accomplishments by Ron, K8RJH, down the page.

Elections

The annual CARS election is coming up at the November meeting. As usual candidates are spread pretty thin. We only have one candidate for each position; therefore, the voting should go quickly. We will still take nominations, including self-nominations, up until the election. So, vote early, and vote often.

73, Toby, WT8O

October 2022 Meeting Minutes

LOCATION - The meeting was held on October 11th at the Busch Funeral Home on Ridge Road in Parma, Ohio.

CALLED TO ORDER - The meeting was called to order by President Toby Kolman, WT8O, at 7:30 PM.

PLEDGE OF ALLEGIANCE - Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS - Those present introduced themselves, 15 individuals attended the meeting, including 1 guest.

SEPTEMBER MINUTES - The September minute were approved as published in the *WO.*

TREASURER'S REPORT - Bob Robbins, K8RGI, reported on the club's current financial situation. No issues or concerns were identified. Dues are due in January, but folks can pay early.

PRESIDENT'S REPORT - Toby Kolman, WT8O, reported the following:

- Please save nearby parking spots at Busch for those who need them.
- Keep sending in your contributions to the *WO*. Pictures, articles, and anything else radio related is welcome.
- Shared a tip on using a binder clip to replace a broken foot on his keyboard.

The group was extremely interested in the program on DMR by Jeff, K8JTK.

VICE PRESIDENT'S REPORT - Ron Hollas, K8RJH, reported the following:

- Amateur Radio Newsline - Check out the Amateur Radio Independent News and Bulletin Service, "Amateur Radio Newsline" produced by N8WB, Stephen Kinford, in Wadsworth, Ohio! Available on TuneIn. The Website... www.arnewsline.org contains additional information. Nice list of active repeaters for travelers.
- Don't forget your ARRL Membership Renewal!
- After renewing your ARRL Membership, check the expiration status at https://home.arrl.org/action/My-Account/Membership-Details. The new system may have an incorrect "Paid Through Date" that may end a month early! To correct this, call Kathy at ARRL Tel: 860-594-0200 or Toll-Free 1-888-277-5289 or email Membership@arrl.org for prompt correction!
- ARRL Email Forwarding configuration is now in "My Account"
- Email Forwarding set-up now in My Account -> Communications -> ARRL.Net Forwarding, then enter your personal email address. All Emails sent to "Username"@ARRL.Net will forward to your personal email account of choice.
- The latest ARRL Podcast News podcast episode of the ARRL On the Air podcast: How to Make a Two-Meter J-Pole Antenna from Lamp Cord, tuning it, and some history on the design.
- The latest edition of the ARRL Eclectic Tech podcast Synchronizing clocks with cosmic rays, using graphene to generate electricity, multi-frequency vascular antennas, and monitoring VLF atmospheric signals with NASA's Inspire project (https://theinspireproject.org).
- Support your local and regional Hamfests! The next local Hamfest is the Massillon Amateur Radio Club Hamfest on Sunday, 10/30/2022

Matt, NU8H, filled in admirably for Matt, KE8OZU, as alternate secretary.

The members had an enjoyable evening at the October meeting.

SECRETARY'S REPORT - Alternate Secretary Matt Neely, NU8H, had nothing to report.

EXECUTIVE BOARD – Mark Moro, WJ8WM, Board Chairman reported the following:

- An Executive Board Meeting was held last week.
- A motion was passed to provide new members with a badge at no cost.
- A second motion was passed to have the member's photos and email addresses included on the website roster. If you wish to have this done, send your info to Bob, K8RGI.
- More discussion of getting a club historian. It's important that we record our history, so we know where our club came from as we move into the future. The first step is listing past presidents of the club.
- Talk about the need for a club quartermaster. Bob has donated storage space at his unit in North Royalton, but we still need someone to document and manage the gear.

- Discussed forming a tool/equipment pool for club members to loan out tools they have. Toby, WT8O is coordinating the list; if you have anything to put into the pool, please let him know.
- This Executive Board meeting was the third required meeting of the year. If new business comes up which needs to be covered this year, another meeting will be held.

PUBLIC SERVICE - Ron, K8RJH, reported that CARS member Chuck Mehozonek, K8CVM, is the new ARES Emergency Coordinator for Cuyahoga County. We wish Chuck well in his new endeavor. The next ARES meeting is on October 18th at the Helwig Whistle Stop in Berea.

VE UPDATE - Metro, W8MET, reported that the VE session on October 9th had two walk-ins. Both passed their Technician class tests. The next CARS VE session will be on November 13th at the Old Rec Center in Independence.

PROGRAM COMMITTEE - Joe, KD8BAL, reported that today's program is by Jeff, K8JTK, the ARRL Technical Coordinator for Ohio will be on DMR. November's program will be on the NASA Artemis mission.

TECH COMMITTEE - Scott, AC8NW, reported that this past Saturday, he, Mark, WJ8WM, and Vince, N8OVW, were able to get the Parma report link, mast, and antenna setup. The setup is wired into the repeater, and the system is functional. This should increase CARS repeater coverage on the west side. Big thanks to Vince for his help with the repeater.

REFRESHMENTS - Toby, WT8O, thanked Ron, K8RJH, for providing soft drinks, Matt, NU8H, for providing doughnuts. Coffee is on hold for the summer. The club is considering purchasing a Keurig instead of providing brewed coffee.

OLD BUSINESS - Toby WT8O, led a discussion on the following:

- We are still looking for a Club historian. Toby, WT8O, is temporarily filling the file and is currently interviewing charter members.
- We still need someone to volunteer to be the Club quartermaster. Toby, WT8O, is temporarily filling the role. Currently, he is working on consolidating material from members' houses to Bob's storage unit.
- Club Tools and Equipment Pool - If you have tools or equipment you would like to include in the pool, please contact Toby, WT8O. A list containing the tools/equipment in the pool and whom to contact to borrow each item will be posted to the member-only portion of the website.
- The first CW class was held last week, and it went well. Toby reported it was great to see all the club members there, and Ron, K8RJH, and David, AC8TN, are doing a great job teaching it!

Next CARS Meeting

Tuesday, November 8 - 7:30 PM

Busch Community Room

Special Guest

JonDarr Bradshaw

NASA Scientist

Will Speak about Artemis 1

The ISS Space Station

Civilian Space Interests

See Website for Details - www.2cars.org

- The club will purchase a Keurig to brew single cups of coffee at future meetings. John, NU8Y, volunteered to bring the Keurig to the meetings and take care of it in between meetings.
- The Cleveland Hamfest was held on September 25th at the Cuyahoga County Fairgrounds. The Club has a nice display and solid lots of equipment from Ron, K8VJG/SK. Half the money raised from the sales of the equipment went to Ron's daughter, and the remaining money went to The Club. Lots of members attended the Hamfest. One of our members, Bruno, won the grand prize of an Icon IC-7300

NEW BUSINESS - Toby, WT8O, led a discussion on the following:

- Toby, WT8O, auctioned off the remaining gear from the SK sale.
- The Club needs a new display board. The current display board is outdated and very heavy. We want to redo it to show current members and contain newer pictures. The idea was presented to use an old monitor and computer to do a slide show. A member also recommended that for each photo, we include the location, names of people in the photo, and date the photo was taken.
- Requests for nominations for 2023 Officers and Board Members was made in preparation for the election of officers and odd-year board members next month. Joe, KD8BAL, proposed keeping the existing Officers and renewing the expiring Board Members. Terry, KB8DTC, seconded. The room was asked for any additional nominations. No additional nominations were given.

Bob, W8GC, and Toby, WT8O. [L]

Jeff, K8JTK, gave an outstanding, in-depth talk on DMR radio. [R]

NEXT MEETING - The next meeting of The Cuyahoga Amateur Radio Society will be November 8th at the Busch Funeral Home on Ridge Road in Parma, Ohio.

50/50 Drawing – Bruce, N8DJX, won the 50/50 drawing.

ADJOURNMENT - Toby, WT8O, adjourned the meeting at 8:14 PM.

After the meeting, Jeff, K8JTK, gave a presentation on DMR.

Submitted by Matt Neely, NU8H, CARS Alternate Secretary

K8CVM, Answering the Call

Ron, K8RJH

One of the gratifying benefits of being a licensed radio amateur is being able to fulfill the general purpose of our license. The first (out of five) purpose of the amateur radio service stated directly from Section 97 of the FCC Rules and Regulations are.

FCC Section 97.1: The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

> *(a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.*

Chuck Mehozonek, K8CVM, has answered this call for service by accepting the position of ARES Emergency Coordinator (EC) for Cuyahoga County. He is a current member of CARS and noted to be active with numerous Public Service events within the local area. I have had the pleasure to participate with Chuck in several events over the past five years and learned about his dedication to the amateur community and service in public safety and nc
Chuck has been a licensed amateur since 2017 but is not new to the radio. He used his many years of experience and interest with Citizens Band to learn about the local radio community. It was through this interest that he obtained his general amateur license and became active with HF / VHF and UHF contacts, contests, nets, and events.

Chuck's first experience with a local public service event was in 2018 when he learned about the local MetroParks River Run on a local 2 Meter net, requesting volunteer radio operators to assist in "running" the event. That experience opened new friendships and options to use Chuck's talents using radio in supporting public service. It wasn't long after that Chuck joined ARES and several ham radio clubs, including CARS.
He is always open to assist visitors and curious attendees at ham supported events to explain the capabilities of Amateur radio while coaching new volunteers in communications etiquette. Being an active member of ARES, Chuck was part of the AEC (Assistant Emergency Coordinator) team for Cuyahoga County for several years.

Chuck intends to continue the policy, support, and direction from the previous Emergency Coordinator (EC), Mat Nickoson, KC8NZJ, who had organized and grew the local ARES role within Cuyahoga County. Specifically, Chuck is responsible for the ARES group at the County level. Working with all local community officials, the Emergency Coordinator (EC), and other field appointees. Chuck will lead the Cuyahoga ARES group through planning, preparedness, and response phases of selected events and support.
Chuck would welcome any amateur volunteer who would like to participate in any of the scheduled local events next year. If you have an interest in answering the call for amateur public service, or simply just learn more about ARES, please visit www.N8ESG.org or ask one of our CARS officers for information.

CARS Board of Directors Meeting
October 5, 2022

Location - Clubhouse Restaurant, 6365 Pearl Rd., Parma Hts., Ohio

Members in Attendance - Mark Moro, WJ8WM, Board Chairman; Arp Viiberg, K8ARP; Ron Hollas, K8RJH; Bob Roberts, K8RGI; Scott Smith, AC8NW; Toby Kolman, WT8O; Eddie Stevens, KD8FTS. CARS member, Colleen Crawford, KD8FTT, attended as a guest.

Call to Order - Mark called the meeting to order at 7:42 PM.

Motion - Toby motioned new members will receive a CARS badge at no cost. Mark seconded the motion.

- The Board voted unanimously to pass the motion.

Motion - Ron motioned to have members' pictures and email addresses included on the web roster. Bob seconded the motion.

- The Board voted unanimously to pass the motion.
- Individual members could deny their own picture and/or email be published.
- The above undertaking will depend on the feasibility as determined by the CARS webmaster, Bob Check, W8GC.

Club Historian

- Toby volunteered to be the temporary historian.
- Terry Pillatt, KB8DTC, is the CARS archivist.
- Toby motioned to purge unnecessary, non-historical documents. Eddie seconded the motion.
    - The Board voted unanimously to pass the motion.
    - The first task will be to list all past CARS presidents.
- Bob stated the display board needs updating.
    - Toby will seek a volunteer to update the board at the next monthly meeting.
    - Arp suggested using a digital photo frame. He volunteered to investigate the cost and available features.

Club Quartermaster

- Toby volunteered to be the temporary quartermaster.
- Bob, W8GC, previously volunteered the use of the attic garage in his rental property.
- Toby will move all physical material to said storage area, procure any necessary protective containers, and list all stored materials.

Tool and Equipment Pool

- Toby is in the process of listing the equipment and donors.
- Bob, W8GC, previously volunteered to list the equipment, password protected, on the CARS website.
- Mark suggested including books.

Sunshine

- Toby suggested members receive email birthday greetings. (*Sunshine committee chairman, Andy Evridge, KD8SCV, subsequently agreed to carry out the undertaking.)*

State Road Repeater

- Scott volunteered to contact Vince Bak, N8OVW, to schedule a work session this weekend (10/8-10/9). Scott, Mark, and Ron agreed to help.

WIRES-X

- Scott volunteered to pursue the procurement of the WIRES-X equipment the funds have been appropriated for.
- Ron volunteered to procure the necessary support equipment for the WIRES-X installation.

The Board meeting was adjourned at 8:27 PM.

Submitted by Toby Kolman, WT8O

November VE Session

The next VE testing session will be held Sunday, November 13th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note time change to 9:15 AM.**

CARS Repeaters

146.820 (-) PL Tone 110.9
Analog Repeater
Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Receive Only Site - Parma

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

****

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

****

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

Exploring Western Canada
Andy KD8SCV

My wife Judy and I have always dreamed of a return visit to western Canada after our first brief adventure in Vancouver, British Columbia in 2019. Our dream became a reality in September of this year, thanks to our friends Ken and Nancy Seroka, of Lake Frederick, Virginia. They asked us to accompany them on a Rocky Mountaineer rail/motor-coach excursion across British Columbia and Alberta. We said yes, of course!

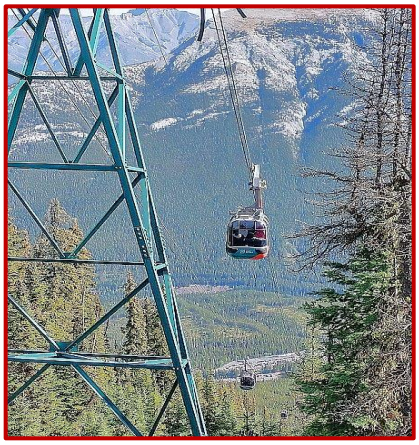
Although our friends had planned to travel in 2020, the pandemic deferred the trip until 2022. Our 11-day excursion combined luxury train travel, overnight stays at lodges, and motor-coach touring, all capped by spectacular sight-seeing. Starting in Vancouver, the trip took us to Whistler, Quesnel, and Prince George, all in British Columbia, as well as Lake Louise, Banff, and Calgary, all in Alberta.

The original itinerary was also to include sightseeing and a stay in Jasper, Alberta, but September wildfires there destroyed the town's electrical distribution system, closing the town to visitors. It has since reopened, thankfully.

Despite the challenges of the sudden change in itinerary, plus the present hectic nature of commercial flying, we captured many amazing scenes, some of which you'll see here. It was definitely a trip to remember!

Calgary Tower interior standing on transparent floor looking straight down 517 feet to street level.

Atop Blackcomb Mountain Whistler, British Columbia.

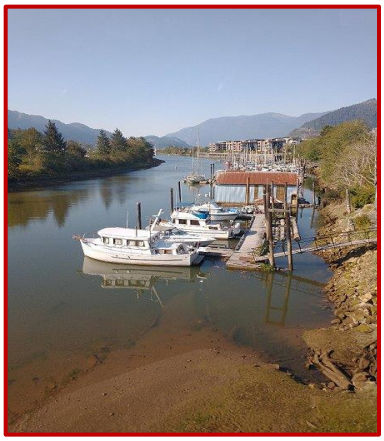


Bannff, Alberta

Calgary Tower exterior view Calgary, Alberta

Lake Winnemanka Alberta

Horseshoe Bay North of Vancouver, British Columbia.



CARS CW Class Update
David, AC8TN

We completed our first of 16 Morse Code training classes at the Seven Hills Recreation Center on October 6th from 6:30 to 7:30 PM with 10 students attending.

Ron, K8RJH, and I began the class welcoming our students and asking them to introduce themselves. We then administered a quiz to check the student's capability to copy the 4 assigned letters (K, M, U, R). We then showed a video explaining the Farnsworth (W6TTB) Method which allows Morse learners to practice at the full target character speed. Characters are played at target speed (20WPM), but extra spacing is added between characters (10WPM) to give them time to think.

We then moved onto Q&A.

An iambic keyer was set-up so that students could try using left or right hand squeeze paddles (Kent, Bencher, and Capacitive), and a J-38 straight key.

Here is the class schedule and character assignments for the remainder of 15 sessions.

Class 1	6-Oct-22	K	M	U	R																																				
Class 2	20-Oct-22	K	M	U	R	E	S	N	A																																
Class 3	3-Nov-22	K	M	U	R	E	S	N	A	P	T	L	W																												
Class 4	16-Nov-22	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z																								
Class 5	1-Dec-22	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z	=	F	O	Y																				
Class 6	15-Dec-22	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z	=	F	O	Y	,	V	G	5																
Class 7	5-Jan-23	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z	=	F	O	Y	,	V	G	5	/	Q	9	2												
Class 8	19-Jan-23	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z	=	F	O	Y	,	V	G	5	/	Q	9	2	H	3	8	B								
Class 9	2-Feb-23	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z	=	F	O	Y	,	V	G	5	/	Q	9	2	H	3	8	B	?	4	7	C				
Class 10	16-Feb-23	K	M	U	R	E	S	N	A	P	T	L	W	I	.	J	Z	=	F	O	Y	,	V	G	5	/	Q	9	2	H	3	8	B	?	4	7	C	1	D	6	0	X
Class 11	2-Mar-23	Word Training - CW Abbreviations																																							
Class 12	16-Mar-23	Word Training - Q Codes																																							
Class 13	6-Apr-23	Plain text training - QSO practice																																							
Class 14	20-Apr-23	Call sign training																																							
Class 15	4-May-23	Field Day training																																							
Class 16	18-May-23	Wrap-up																																							

As we've mentioned before we have two goals for this class:

1.) Gain an ARRL Certificate of Code Proficiency
2.) Be active participants using CW at the CARS
3.) ARRL Field Day, June 24,25, 2023.

Finally, it is not too late to join our CARS CW class.
If interested, please contact Ron or myself.

David, AC8TN, and Ron, K8RJH - instructors par excellence.

Joe, KD8BAL, shows how to handle the paddles.

November Net Sked

NOV	2	KD8ACO
NOV	9	AC8NW
NOV	16	AC8TN
NOV	23	WT8O
NOV	30	K8RJH

Nets are run every Wednesday at 9:00 PM on:

146.820 (PL 110.9)

443.825(+) PL Tone 131.8
Digital Yaesu Fusion
Linked to the 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

CARS Christmas Party

Mark, WJ8WM, is organizing the CARS 2023 Christmas party. He scheduled a meeting of his committee to discuss the details of this year's event.

The specifics of when and where the party will be held will be announced at the November CARS meeting and placed on the club website.

After a couple of years of pandemic related postponements, it will be great to get back to some degree of normalcy and celebrate the holiday season with fellow CARS members, their families, and friends at a festive venue.

NASA Report
Bob, KC8MRC

The Artemis 1 launch is now scheduled for November 14, 2022, at 12:07 AM with a 69-minute launch window.

Meet CARS Member
David Karow, AC8TN

What got you interested in ham radio?

I began my radio journey with a CB radio (4 channels, tubes, crystal controlled) that I bought from my friend and next-door neighbor when I was 14 years old.

When were you first licensed?

I earned my novice license in 1977.

What is your occupation?

Electrical Engineer, retired.

What are your favorite operating activities?

Chasing DX and Field Day.

What equipment do you use (transceivers, antennas, etc.)?

Flex 6600M, Acom 1000, Hex Beam.

What are your amateur radio goals?

DXCC Honor Role

What are your other hobbies and interests?

Wood working, Lionel trains, photography, astronomy, and hiking (my wife and I enjoy visiting our National Parks).

Why did you join CARS?

In 2015, I attended the CARS Extra Prep Class, and became a member at that time.

Are you a member of any other ham radio clubs or organizations?

ARRL.

How would you like to see CARS improve?

A club station would be terrific.

December Net Sked

DEC	7	KD8ACO
DEC	14	AC8NW
DEC	21	AC8TN
DEC	28	WT8O

Nets are run every Wednesday at 9:00 PM on:

146.820 (PL 110.9)

443.825(+) PL Tone 131.8
Digital Yaesu Fusion
Linked to the 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

Dues Notice
Bob, W8GC

Your 2023 CARS dues are payable on or before January 31, 2023. If you have already paid THANK YOU.

Dues can be paid in 3 ways:

Online by sending the funds via PayPal to **w8gc@2cars.org** PLEASE USE PERSONAL OPTION.

You can also mail a check to:
CARS
7395 Brecksville Rd.
Independence, OH 44131

Pay in person at any CARS meeting.

Dues are $26.00 per year for regular membership. Each additional family member is $16.00. If you are 60 yrs. or older, your dues are only $18.00 per year.

CARS will offer assistance to anyone having a hardship.

Please let me know if you have a hardship or know a member who needs help.

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

Dwaine Modock, K8ME, SK
Elected 5/9/17

Toby Kolman, WT8O
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG, SK
Elected 5/14/19

Ed Stevens, WB8ROK, SK
Elected 8/10/21

State Road Repeater

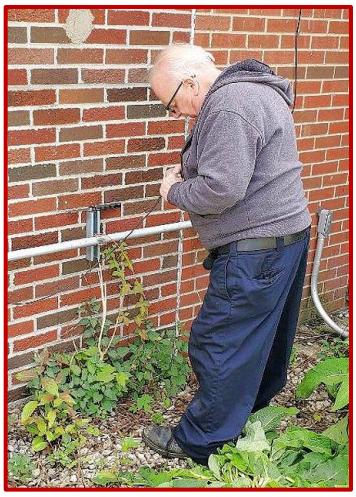
The topflight CARS repeater system recently got even better. The CARS Tech team set up a new repeater input site on State Road in Parma, just north of Pleasant Valley Road.

Sccott, AC8NW; Vince, N8OVW, and Mark, WJ8WM, rolled up their sleeves and on a recent weekend morning and completed the installation giving our repeater system still better coverage than the excellent coverage it already had.

Special thanks to Vince for procuring the site and providing the equipment. The guys did a great job getting everything installed and up-and-running. Already we're hearing good reports on the performance of the new installation. Fortunately, they had enough time to take some pictures to tell the story.

Mark, WJ8WM, drilling the brick for the lower mast supports.

Scott, AC8NW, and Vince, N8OVW, connecting and adjusting the antenna.



Vince installing The feedline.

Mark installing the upper antenna supports.

Feet Feat

Toby, WT8O

One of those flimsy feet broke on my cheapie keyboard making typing uncomfortable, whether it was used lopsided or flat. I went internet shopping and had no problem finding replacement feet for sale. I found the prices to be exorbitant. Either two feet plus shipping, 12 feet with free shipping, or one foot with free pick-up at a local emporium all seemed too costly of an investment to repair a 20-dollar keyboard.

The light bulb went off when I spotted a one-minute YouTube video on a cheap fix for broken keyboard feet. The repair utilized the wire bail from a paper binder clip. Five minutes later, I fixed my keyboard, as well as my backup keyboard. Topping it all off, my keyboard now has a very nice cushiony feel.

Some days you get the bear.

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, if credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net

CARS 2022 Officers & Committees

Audit
K8RJH ** WT8O, WJ8WM

Audio/Video
AC8NW **

ARRL Liaison
K8RJH **

Awards
W8GC ** WT8O

Christmas party & Summer Picnic
WJ8WM **, K8ARP, KD8FTU, KD8FTV

Field Day
K8RGI **, WT8O, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH, N8BBB food

50/50
KD8SCV

Hamvention Bus
KD8FTS **

License classes
KD8ACO **, WT8O, K8SHB

Media Representative
KD8SCV

Membership
WT8O ** W8GC

NET
WT8O **

Newsletter
WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings
KD8BAL ** KD8FTS, KE8OZU

Property Custodian's
KB8DTC records, W8GC equipment

Public Services
KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM
WB8N **

Refreshments at Meetings & Picnic
K8RJH ** pop, NW8X ** Donuts, KE8RMV *** Coffee

Scholarship
W8GC ** K8RGI, KE8OZU, WT8O, K8RJH

Sunshine (welfare)
Andy, KD8SCV ** 440-886-0723

Technical
AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams
Metro, W8MET ** 216-520-1320

Web Master/e-mail
W8GC **
** chairman or co-chairman

2022 Officers

PRESIDENT
Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT
Ron Hollas, K8RJH, 216-379-7440

SECRETARY
Matt Perlman, KE8OZU, 216-337-1540
Alternate Secretary:

TREASURER:
Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:
Mark Moro WJ8WM 216-661-0342

even year executive board 2 year term
AC8NW, KB8DTC, WJ8WM

odd year executive board 2 year term
K8RGI, K8ARP, KD8FTS

License trustee
K8ZFR
WT8O

License trustee
W8HBI, W8BM,
W8GC

February 5, 2022